

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 27-31 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims **24-26** are rejected under 35 U.S.C. 102(e) as being anticipated by Laksono (Pub. No. 2006/0080707).

Regarding claim 24, Laksono teaches a method for processing broadcast signals in a system which includes at least one display unit and a digital television including a home network (**clients 26, 28, 30, 32 and 34, Figs. 1-4 display data received from multimedia servers 12, 42, 88, and 102, in respective Figs. 1-5; [0103]. The information is sent through a home network or communication path [0079]; [0104]**), the method comprising the steps of:

receiving AV broadcast signals (**36, Fig. 1 or 158 and 248, Fig. 10; [0078]; [0146]**) and data broadcast signals (**44, Figs. 5 and 10**) of a plurality of

Art Unit: 2421

channels ([0146]) by using a plurality of tuners (tuning module 340, Fig. 10 or as better described in Fig. 16, [0203]) in the digital television (multimedia server 132, Fig. 5, receives multiple channels from multiple sources [0140]; [0146]. Multimedia server can be implemented on a television set, [0103]) ;

transmitting at least one of the received AV broadcast signals or data broadcast signals from the digital television to a display unit via the home network (the received data and video is sent to the requesting client devices through the home communication path, [0083]; [0090]; [0102]);

receiving the at least one transmitted AV broadcast signal or data broadcast signal in the display unit ([0082]; [0090]; [0102]) ; and

displaying the at least one received AV broadcast signal or data broadcast signal in the at least one display unit (all the clients receive and display respective requested channels- Fig. 1; [0083], [0084] - or data -Fig. 2; [0091], and sent from the multimedia server, independently of the other clients).

Regarding claims 25, Laksono teaches wherein the at least one received AV broadcast signal or data broadcast signal of the plurality of channels is selectively displayed on the at least one display unit (The data or the video are selectively displayed by the requesting device, [0083], [0084], [0091]. In other words, every packet of video or data is routed from the server using packet headers to identify the requesting device, [0111]; [0112]; [0121]).

Art Unit: 2421

Regarding claim 26, Laksono teaches wherein the at least one received AV broadcast signal or data broadcast signal of the plurality of channels is selectively displayed on respective ones of a plurality of display units **(The data or the video are selectively displayed by the requesting device, [0083], [0084], and [0091]. In other words, every packet of video or data is routed from the server using packet headers to identify the requesting device, [0111]; [0112]; [0121]).**

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims **27-31** are rejected under 35 U.S.C. 103(a) as being unpatentable over Laksono (Pub. No. 2006/0080707) and Schrader et al. (hereinafter 'Schrader', Pub. No. 2002/0166123) .

Regarding claim 27, Laksono teaches an apparatus **(multimedia server Figs. 1-5 and 10)** for processing broadcast signals in a system which includes at least one display unit and a digital television including a home network **(clients 26, 28, 30, 32 and 34, Figs. 1-4 display data received from multimedia servers 12, 42, 88, and 102, in respective Figs. 1-5; [0103]. The information**

Art Unit: 2421

is sent through a home network or communication path [0079]; [0104]), the apparatus comprising:

a plurality of tuners (tuning module 340, Fig. 10 or as better described in Fig. 16, [0203]) in the digital television (Multimedia server can be implemented on a television set, [0103]) configured to receive a digital television broadcast signals of at least two channels (36, Fig. 1 or 158 and 248, Fig. 10; [0078]; [0146]);

the home network configured to receive and transmit at least one of the AV broadcast signals or data broadcast signals (the received data and video is sent to the requesting client devices through the home communication path, [0083]; [0090]; [0102]); and

the at least one display unit configured to display the at least one AV broadcast signal or data broadcast signal received from the home network (all the clients receive and display respective requested channels- Fig. 1; [0083], [0084] - or data -Fig. 2; [0091], and sent from the multimedia server, independently of the other clients).

On the other hand, although Laksono teaches receiving data and sending it to the clients, Laksono does not explicitly teach having a processing unit configured to separate AV broadcast signals and data broadcast signals from the received digital television broadcast signals of the at least two channels.

However, in an analogous art, Schrader teaches a receiving device (120, Fig. 5) that receives video content along with data (EPG or link data, [0080]) on the received television broadcast signal. The system, controlled by central

Art Unit: 2421

processing unit CPU 532, separates and stores the data ([0080]; [0085]-[0086]).

The device sends the received data to the display device along with video content (Figs. 8-14). Schrader teaches that the display device can be one or multiple devices connected in a home network ([0078]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Laksono's invention with Schrader's feature of receiving data with the received television signal for the benefit of providing data and video using only one communication channel, and in this way, saving bandwidth.

Regarding claim 28, Laksono and Schrader teach wherein the at least one received AV broadcast signal or data broadcast signal of the plurality of channels are selectively displayed on the at least one display unit (**Laksono: The data or the video are selectively displayed by the requesting device, [0083], [0084], [0091]. In other words, every packet of video or data is routed from the server using packet headers to identify the requesting device, [0111]; [0112]; [0121]).**

Regarding claim 29, Laksono and Schrader teach wherein a first display unit of the at least one display unit displays at least one AV broadcast signal of one channel and at least one data broadcast signals of other channels (**Schrader: Figs. 8-14; [0102]).**

Regarding claims 30 and 31, Laksono and Schrader teach wherein AV broadcast signals of a plurality of channels are displayed on a first display unit of the at least one display unit **(Schrader: Fig. 10, where multiple viewing areas are shown on the same display unit along with received data, [0102]; [0112])**.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OMAR PARRA whose telephone number is (571)270-1449. The examiner can normally be reached on 9-6 PM (M-F, every other Friday off).

Art Unit: 2421

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John W. Miller/
Supervisory Patent Examiner, Art Unit 2421

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